Proposed Maximum Residue Limit PMRL2011-33

# Carbaryl

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Publications
Pest Management Regulatory Agency
Health Canada
2720 Riverside Drive
A.L. 6604-E2
Ottawa, Ontario K1A 0K9
K1A 0K9

Internet: pmra.publications@hc-sc.gc.ca
healthcanada.gc.ca/pmra
Facsimile: 613-736-3758
Information Service:
1-800-267-6315 or 613-736-3799
pmra.infoserv@hc-sc.gc.ca

Canada

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) is proposing to establish maximum residue limits (MRLs) for carbaryl on dried shelled pea and bean, except soybean (Crop Subgroup 6C), cactus, dry soybeans, flaxseeds, pineapples, rice, sorghum, sunflower seeds and sweet potato roots to permit the import and sale of foods containing such residues.

Carbaryl is an insecticide currently registered in Canada for use on a wide variety of crops.

The PMRA has determined the quantity of residues that are likely to remain in or on the imported food commodities when carbaryl is used according to label directions in the exporting country. The Agency has also determined that such residues will not be a concern to human health and is proposing to legally establish corresponding import MRLs. An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Details regarding the import MRLs can be found in the corresponding Evaluation Report available in the Pesticides and Pest Management section Health Canada's website, under Public Registry, Pesticide Product Information Database.[1]

A Canadian MRL of 5.0 ppm is currently established for carbaryl in or on "Beans" and "Peas". This MRL will remain in effect for each commodity included in the edible-podded and succulent shelled legume subgroups (Crop Subgroups 6A and 6B). A revised 1.0 ppm MRL is proposed herein for commodities included in the dried shelled pea and bean subgroup (Crop Subgroup 6C).

Consultation on the proposed import MRLs for carbaryl is being conducted via this document (see Next Steps, the last section of this document).

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

The proposed MRLs for carbaryl in Canada in or on food, to replace or be added to the MRLs already legally established, are as follows.

[1] The relevant report can be accessed by selecting the Applications/Amendment/Historical and requesting the Evaluation Report found under Application Number 2009-0124.

**Table 1 Proposed Maximum Residue Limits for Carbaryl**

| Common Name | Residue Definition | MRL (ppm) | Food Commodity |
|---|---|---|---|
| Carbaryl | 1-naphthalenyl methylcarbamate | 15 | Rice |
| | | 12 | Cactus pads |
| | | 10 | Sorghum |
| | | 5.0 | Cactus fruit |
| | | 2.0 | Pineapples |
| | | 1.0 | Dried shelled pea and bean, except soybean (Crop Subgroup 6C)* |
| | | 0.5 | Dry soybeans, sunflower seeds |
| | | 0.02 | Flaxseeds, sweet potato roots |

* proposed to replace the established MRL of 5.0 ppm in or on "Beans" and "Peas" for all subgroup commodities.

Revised MRLs are proposed for each commodity included in the dried legume subgroup in accordance with the Residue Chemistry Crop Groups webpage in the Pesticides and Pest Management section of Health Canada's website.

A complete list of all pesticide MRLs established in Canada can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

**International Situation and Trade Implications**

With the exception of flaxseeds and sweet potato roots, the proposed MRLs for carbaryl in Canada are the same as the corresponding tolerances established in the United States (tolerances are listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide). Codex Alimentarius MRLs[2] have been established for a limited number of commodities included in this action. A listing of established Codex MRLs is available on the Codex Alimentarius Pesticide Residues in Food website.

See Table 2 for a comparison of the proposed Canadian MRLs for carbaryl with corresponding American tolerances and Codex MRLs.

2 The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

**Table 2 Comparison of Canadian MRLs, American Tolerances and Codex MRLs**

| Food Commodity | Canadian MRL (ppm) | American Tolerance (ppm) | Codex MRL (ppm) |
|---|---|---|---|
| Rice | 15 | 15 | 1<br>(Rice, Polished)<br><br>170<br>(Rice bran, Unprocessed) |
| Dry soybeans | 0.5 | 0.5 | 0.2 |
| Sunflower seeds | 0.5 | 0.5 | 0.2 |
| Sweet potato roots | 0.02 | 0.2 | 0.02 |
| Flaxseeds | 0.02 | 0.5 | Not established |
| Cactus pads | 12 | 12 | Not established |
| Cactus fruit | 5.0 | 5.0 | Not established |
| Sorghum | 10 | 10 | Not established |
| Pineapples | 2.0 | 2.0 | Not established |
| Dried shelled pea and bean, except soybean (Crop Subgroup 6C) | 1.0 | 1.0 | Not established |

## Next Steps

The PMRA invites the public to submit written comments on the proposed import MRLs for carbaryl up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs for carbaryl and posting a corresponding Established Maximum Residue Limit document in the Pesticides and Pest Management section of Health Canada's website.